

# BENCHTOP VIBRATION TABLE

## EXPAND TESTING CAPABILITIES & HELP DISCOVER PRODUCT FAILURES

CSZ's benchtop vibration chamber is ideal for reliability testing of compact products and electronics. The benchtop vibration system may be used as a stand-alone vibration table for vibration testing or placed inside an environmental chamber for combined vibration & temperature testing offering flexibility and greater return on investment.

Equipped with an all-axis vibration system, the TCB-1.3 utilizes four pneumatically-actuated vibration hammers providing 6 dof, random vibration with x,y,z axis and roll, pitch and yaw rotation. The chamber comes standard with two accelerometers, one for control and one vibration monitor with a range of 1 to 60 GRMs.



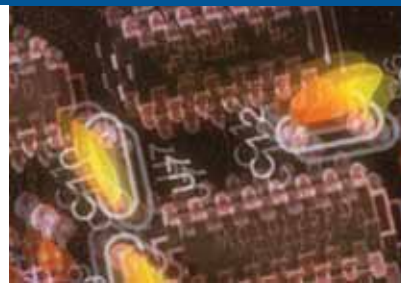
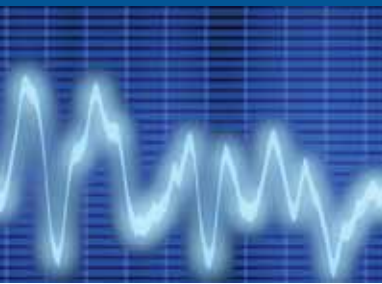
### Benefits

- Dual-purpose design allows for use as benchtop vibration chamber or with Temperature Chamber for combined temperature & vibration testing. Design includes a removable lid easy-lift off control console to allow the table base to be placed inside a typical 16 cu. ft. (456L) or larger chamber.
- Utilizing random vibration technology combined with an environmental chamber, provides an economical method to perform combined temperature/vibration testing.
- Quiet operation
- Includes the EZT-570S touch-screen controller with state-of-the art features and optional VibTrak™ software to operate both the CSZ environmental chamber and benchtop table. Software also includes the ability to generate PSD curves.



<b>Workspace</b>	16"W x 16"D x 10"H (41cm x 41cm x 25cm)
<b>Exterior Dimensions</b>	33"W x 31"D x 23"H (84cm x 79cm x 58cm)
<b>Table Base</b>	22"W x 23"D x 12"H (56cm x 58cm x 30cm)
<b>Vibration Level</b>	1 to 60 GRMS, 3 Hz to 10 kHz with unloaded table
<b>Temperature Range * (Base Only)</b>	-70°C to +163°C
<b>Voltage</b>	115V/1Ph/60Hz or 220V/1Ph/50 Hz
<b>Compressed Air</b>	<20 SCFM maximum @ 100 psi
<b>Overall Table Weight</b>	190 lbs (86 kg), Base Only: 120 lbs (54 kg)

\* When used in conjunction with an environmental chamber.



## The Next Generation Controller with Smartphone Technology

Save valuable time with the ease of use of the EZT-570S featuring fewer steps to accomplish your daily testing needs while incorporating simplified operation and programming to test faster.

### Communications & Connectivity

- Remotely monitor and/or Control the chamber for anytime, anywhere access from any device (PC, smartphone or tablet) using LAN/VNC.
- Alarm notification system sends email and/or text phone messages in the event of a test chamber alarm, saving valuable tests while reducing downtime.
- Multiple chambers may also be managed using VNC or CSZ's optional EZ-View PC software to monitor & control CSZ chambers and download profiles.



### Profiling

- Profiling includes up to 99 steps and 1000 cycles.
- Program ramp steps entering time or °C/min.
- Easily review profile using trend chart or list of steps
- Profile status view displays current step, estimated start/stop date and time.
- Profiles may be transferred to different chambers via USB or optional EZ-View software.

### Data Logging

- Configurable log interval, data file length, filename, operator entered batch & lot information as well as an unlimited number of operator notes saved to the data file.
- Easily download profiles, alarm files, audit trail files and data files using USB or email from controller in a compatible .csv file format. Files may automatically be backed up using FTP.
- Email built-in to send data, alarm, audit trail files directly from controller. Also create and send new emails.
- Open and plot historical data files.



### User Convenience & Flexibility

- Controller may be configured in any of one of 28 languages - one setting updates icons, menus and help screen.
- Selectable power failure/recovery options.
- Full system security allows up to 30 different users with four different levels of security.
- Audit trail files track changes in settings by each user.
- Import/export configuration settings to other controllers saving time. (Personalized to your use)
- Configurable alarms and maintenance alerts.

